

## Advanced Environmental Ecology

4 units (selection)

Mahito Kamada · PROFESSOR / GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING, CIVIL AND ENVIRONMENTAL ENGINEERING, INTELLIGENT STRUCTURES AND MECHANICS SYSTEMS ENGINEERING

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**Target** The purpose is to develop the knowledge and skill for conservation and restoration of ecosystems.

**Outline** Current situation of ecosystems and technical problems for conservation and restoration are explained. The way of ecosystem management is emphasized to improve ecosystem. All students must give a presentation to introduce their own activities.

**Style** Lecture in combination with Portfolio

**Keyword** *ecosystem management, environmental conservation, nature restoration*

**Goal** Every student has basic knowledge and skill to improve ecosystem function in the actual society.

**Schedule**

1. Guidance
2. Interdisciplinary aspects for ecosystem management 1
3. Interdisciplinary aspects for ecosystem management 2
4. Current situation and problems in ecosystem management 1
5. Current situation and problems in ecosystem management 2
6. Current situation and problems in ecosystem management 3
7. Current situation and problems in ecosystem management 4
8. View points to know the structure and function of ecosystems 1
9. View points to know the structure and function of ecosystems 2
10. View points to know the structure and function of ecosystems 3
11. View points to know the structure and function of ecosystems 4
12. Toward an adequate management of ecosystems 1
13. Toward an adequate management of ecosystems 2
14. Toward an adequate management of ecosystems 3
15. General discussion / Report

**Evaluation Criteria** Result is evaluated by contents of the reports, which are set after every related lectures. Over 60% marks is necessary to pass.

**Contents** <http://cms.db.tokushima-u.ac.jp/cgi-bin/toURL?EID=216600>

**Student** Able to be taken by student of other department and faculty

**Contact**

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